ABSTRACT OF THE DISCLOSURE

An integrated circuit, such as a memory device, includes a built-in repair circuit. The repair circuit includes an on-chip source that produces a programming signal of sufficient duration and magnitude to program a programmable element that normally isolates a secondary circuit, such as redundant circuitry, from the remainder of the circuits on the device. Once programmed, the redundant circuitry may take the place of failed circuitry, and thus repair the device.